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education is a key to freedom.
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that the development
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is serious business,
a task demanding rigor
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ALGEBRA 1

Applesoft, 48K, DOS 3.3

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ALGEBRA 1

Algebra 1 is a powerful computer mediated instructional system, suitable for both adjunct and stand-alone learning in the home or classroom. Five major content areas are developed:

- ★ Definitions
- ★ Number Line Operations
- ★ Sets
- ★ Evaluating Expressions
- ★ Rules for Equation Reduction

This system features total color high-resolution graphics display, including upper/lower case text for maximum clarity. Flow charted "information maps" mark the Learner's progress by designating concepts learned, those still to be learned, and those that were troublesome. The "information maps" also provide a recommended sequence to follow through the five units.

Algebra 1, like all Edu-Ware Systems, employs positive reinforcement. Correct responses are confirmed, while incorrect responses bring a display of the appropriate answer. Provision for cognitive style differentiation encourages the Learner to experiment with "learning styles." Algebra 1's comprehensive documentation illustrates all procedures and explains the system model.

Algebra 1 is the first in a sequence of five independent systems. As skills are fully mastered in one, additional units may be purchased. Other Edu-Ware systems include Compu-Math Arithmetic Skills, Fractions and Decimals.

Designed for Apple II and II-plus computers.
Requires 48K, Applesoft, and DOS 3.3

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Defective Media/Update	$5.00	

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Algebra I
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(1 side only)

~~Disk 1 Side 1 & 2~~

~~Apple~~

Ap 6.0

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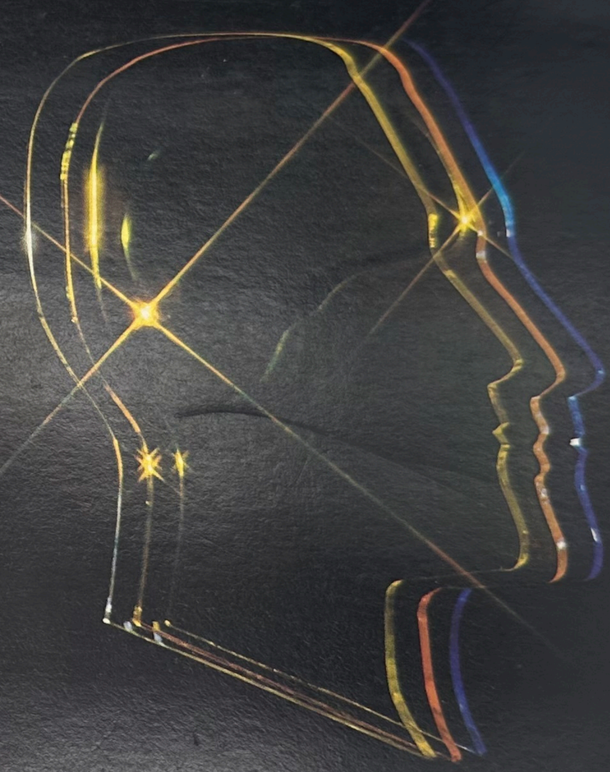

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Today, it is essential that individuals develop and sharpen their problem-solving capabilities. Edu-Ware products are directed at building core intellectual skills — reading, mathematics, and spelling. Edu-Ware is both versatile and rigorous. It finds effective application in the home or classroom, and often may be elegantly tailored to the needs of young, remedial, or adult learners. Edu-Ware's subsidiary line, Interactive Fantasies (IFs), represent a distinct genre in entertainment software. Interactive Fantasies have been designed expressly to foster divergent thinking (creative problem-solving) through the intellectual challenge of role-playing.

Edu-Ware Services, a California-based corporation, was established in 1979, when the microcomputer industry was still in its infancy. Since that time, Edu-Ware and Interactive Fantasies have earned a sound reputation among dealers and end users.

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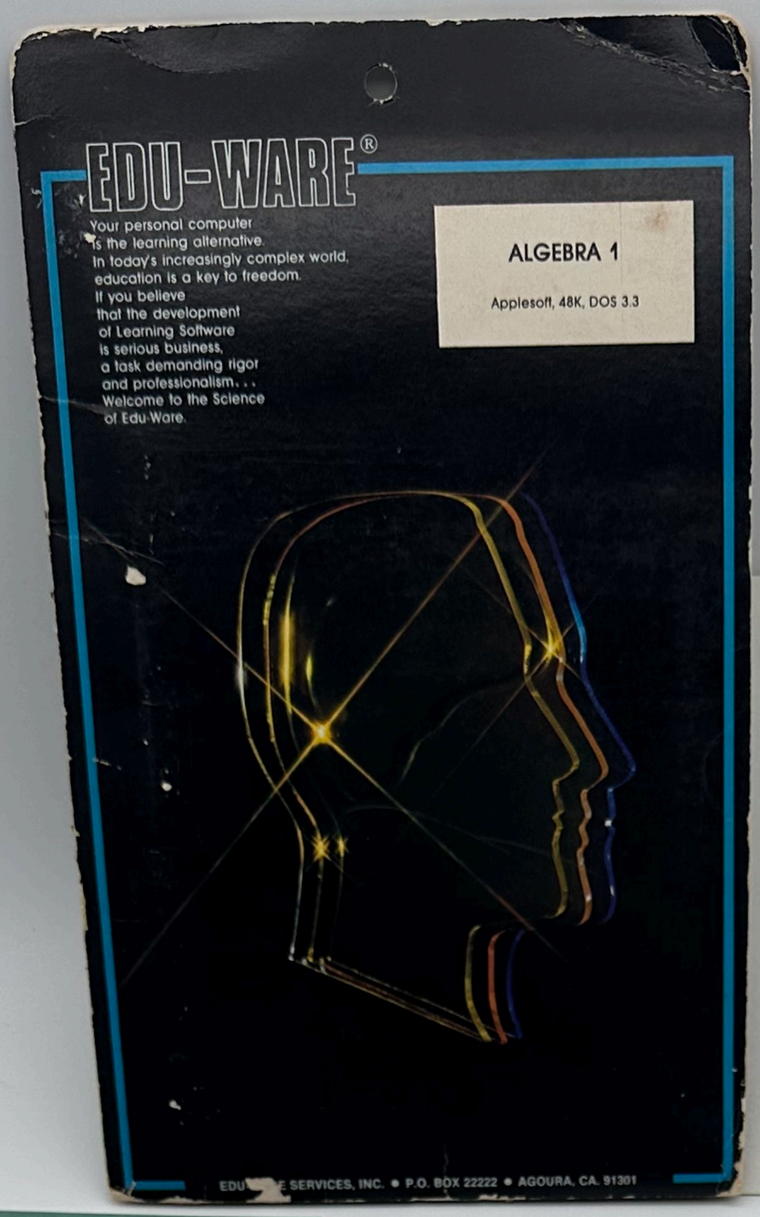
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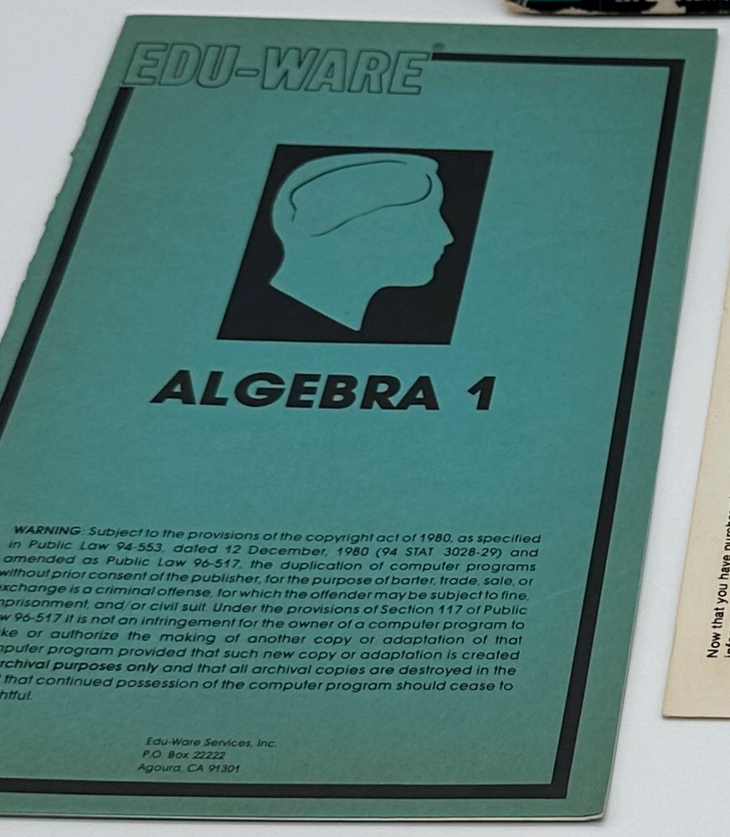
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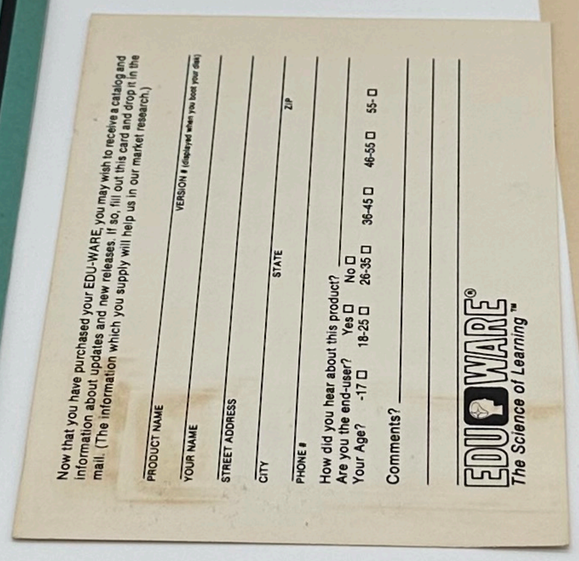
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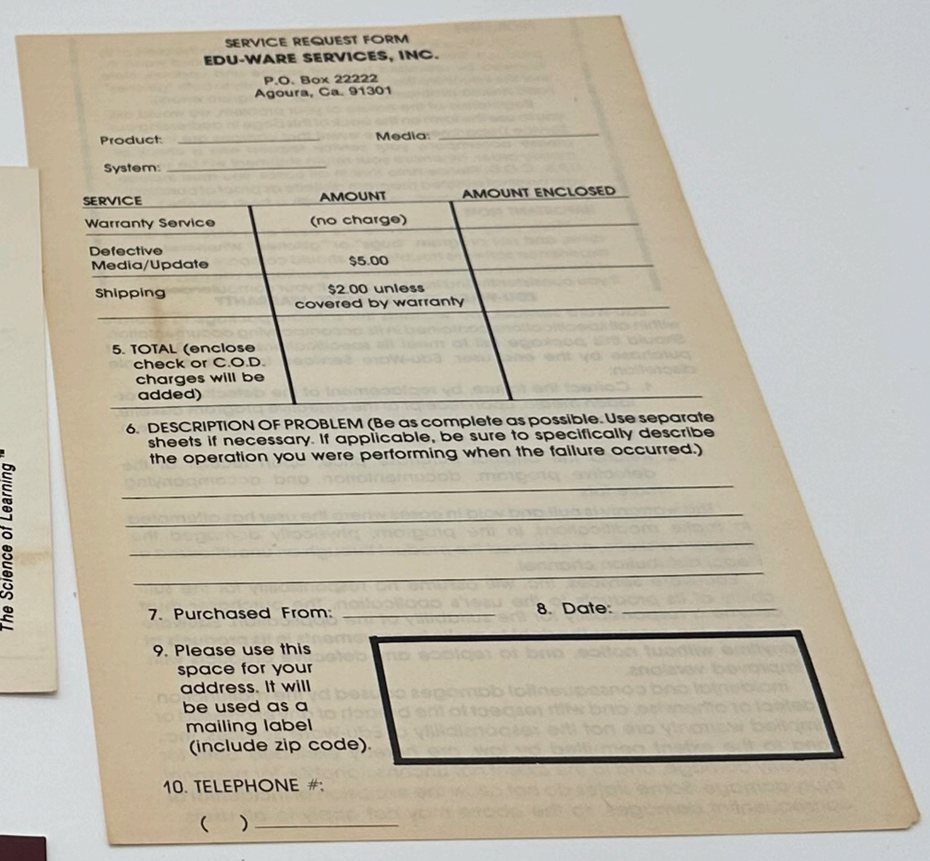
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System:
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8. Date:
9. Please use this space for your address. It will be used as a mailing label (include zip code).
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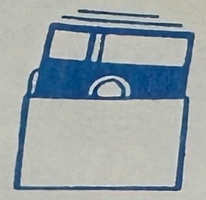

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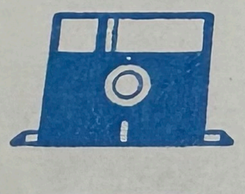

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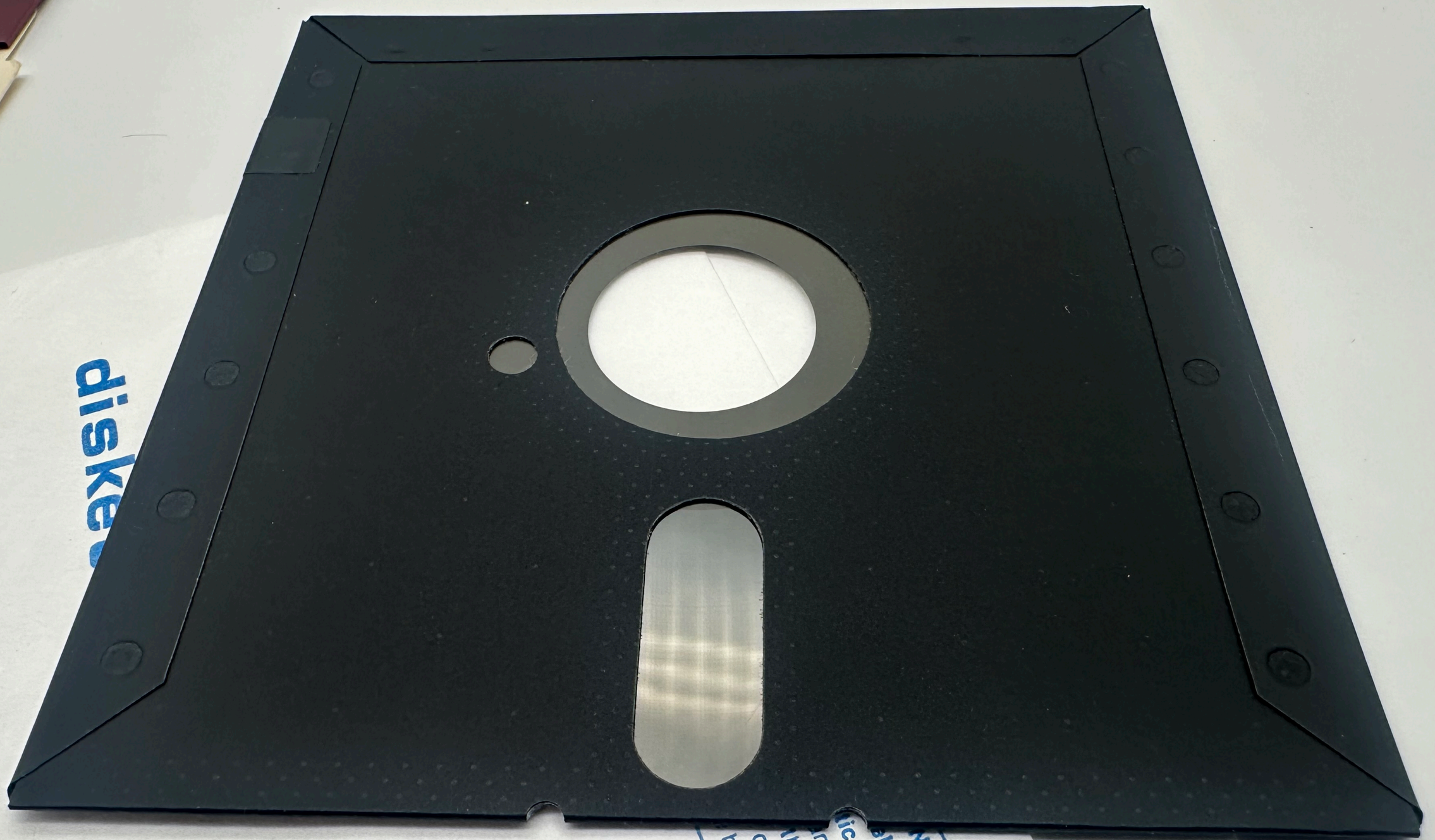

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5. TOTAL (enclose check or C.O.D. charges will be added)		

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ALGEBRA 1 Version 1.1

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1. Learning should be managed by the learner.
2. Instruction should proceed in small steps.
3. Reinforcement comes from confirmation.
4. Program Content

A. Definitions
B. Number Line Operations
C. Sets
D. Evaluating Expressions
E. Rules for Equation Reduction

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which make the act of learning attractive. The skill of swimming has itself some intrinsic value. It is an activity from which pleasure can be derived, which is a valuable social tool, and which has usefulness in maintaining the participant's physical health and well being.

Conversely, many learners see little or no value in gaining skills in American history, or English grammar. They are unable to relate these skills to the values they offer, other than the act of demonstrating their learning. For example, if one receives "good grades," then parents are pleased, academic awards may be obtained, and entrance to college is made easier.

Placing the emphasis for reward on the act of learning rather than on the ideas learned, would seem to place the emphasis on an aspect of the task with less value than the task itself.

It is well recognized that two kinds of learning may be identified; acquisition learning and maintenance learning. Acquisition learning is the initial learning of some new behavior or skill, while maintenance learning refers to that learning which is continuing and by which skills are demonstrable after long periods of time have elapsed. An example of acquisition learning is "cramming" for an examination and then forgetting all the material once the exam is completed. An example of maintenance learning, on the other hand, is the skill of riding a bicycle which may be learned in childhood and maintained without practice into the adult years.

Since the skills involved in algebra are skills we wish the learner to maintain and build upon over long periods of time, it seems quite important that it is the maintenance of those

skills which is reinforced and not the simple act of acquiring them. Thus, the reinforcement is directed at long-term skill maintenance, rather than acquisition learning.

4. Program content:

A. Definitions

1. Numerals

2. Operators

a. addition
b. subtraction
c. multiplication
d. division

3. Grouping symbols

a. Parentheses
b. Brackets
c. Braces

4. Equality (less than/greater than)

B. Number line operations

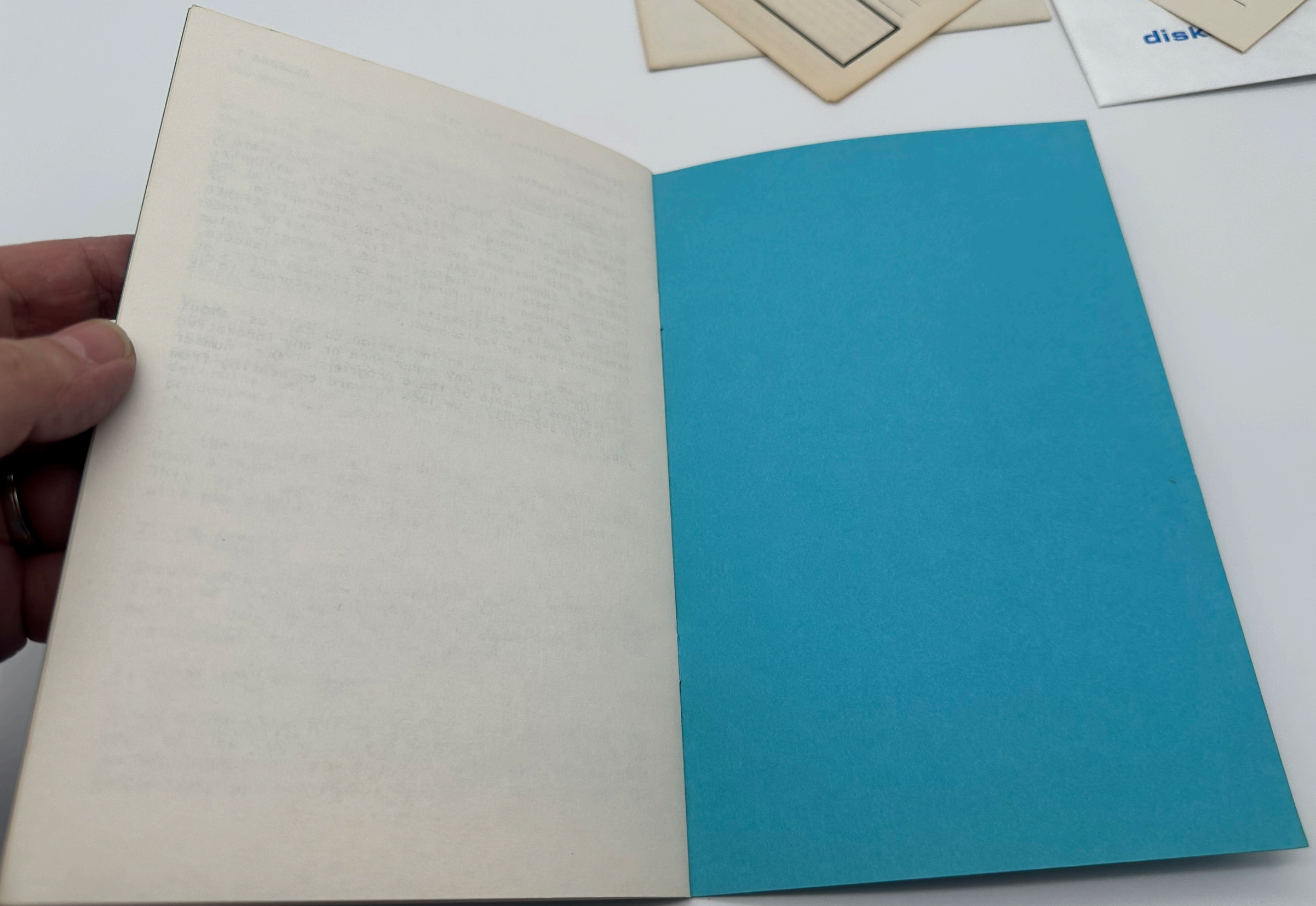
1. The number line

2. Real numbers

a. Positive
b. Negative
c. Real numbers
d. Absolute values

3. Using negative numbers

a. Addition



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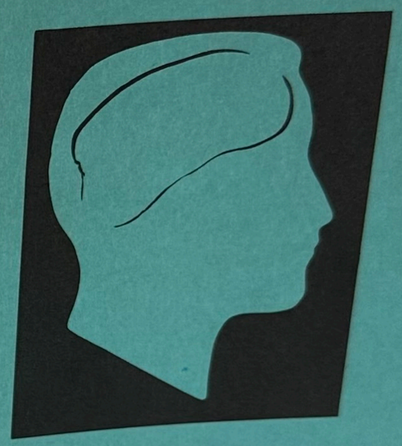

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